

Juan R. González-Velasco

List of Publications by Year in descending order

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224
papers

7,281
citations

44069

48
h-index

82547

72
g-index

224
all docs

224
docs citations

224
times ranked

5235
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation-based optimization of cycle timing for CO ₂ capture and hydrogenation with dual function catalyt. Catalysis Today, 2022, 394-396, 314-324.	4.4	11
2	Structured NSR-SCR hybrid catalytic technology: Influence of operational parameters on deNO _x activity. Catalysis Today, 2022, 383, 287-298.	4.4	4
3	Intrinsic kinetics of CO ₂ methanation on low-loaded Ni/Al ₂ O ₃ catalyst: Mechanism, model discrimination and parameter estimation. Journal of CO ₂ Utilization, 2022, 57, 101888.	6.8	17
4	Tuning basicity of dual function materials widens operation temperature window for efficient CO ₂ adsorption and hydrogenation to CH ₄ . Journal of CO ₂ Utilization, 2022, 58, 101922.	6.8	26
5	Viability of Au/La ₂ O ₃ /HAP catalysts for the CO preferential oxidation reaction under reformat gas conditions. Applied Catalysis B: Environmental, 2022, 312, 121384.	20.2	6
6	Applicability of LaNiO ₃ -derived catalysts as dual function materials for CO ₂ capture and in-situ conversion to methane. Fuel, 2022, 320, 123842.	6.4	14
7	Study on the promotional effect of lanthana addition on the performance of hydroxyapatite-supported Ni catalysts for the CO ₂ methanation reaction. Applied Catalysis B: Environmental, 2022, 314, 121500.	20.2	29
8	Towards the development of advanced hierarchical chabazite materials: Novel micro-mesoporous silicoaluminophosphate SAPO-34 zeolites. Materials Today Communications, 2022, 31, 103580.	1.9	3
9	Aging studies on dual function materials Ru/Ni-Na/Ca-Al ₂ O ₃ for CO ₂ adsorption and hydrogenation to CH ₄ . Journal of Environmental Chemical Engineering, 2022, 10, 107951.	6.7	6
10	Transition Metal Hexacyanoferrate(II) Complexes as Catalysts in the Ring-Opening Copolymerization of CO ₂ and Propylene Oxide. Topics in Catalysis, 2022, 65, 1541-1555.	2.8	5
11	Kinetics, Model Discrimination, and Parameters Estimation of CO ₂ Methanation on Highly Active Ni/CeO ₂ Catalyst. Industrial & Engineering Chemistry Research, 2022, 61, 10419-10435.	3.7	14
12	Optimization of Supports in Bifunctional Supported Pt Catalysts for Polystyrene Hydrocracking to Liquid Fuels. Topics in Catalysis, 2021, 64, 224-242.	2.8	10
13	Optimisation of bimetallic Co-Ni supported catalysts for oxidation of methane in natural gas vehicles. Applied Catalysis B: Environmental, 2021, 284, 119712.	20.2	14
14	Alternate cycles of CO ₂ storage and <i>in situ</i> hydrogenation to CH ₄ on Ni ²⁺ /Na ₂ CO ₃ /Al ₂ O ₃ : influence of promoter addition and calcination temperature. Sustainable Energy and Fuels, 2021, 5, 1194-1210.	4.9	24
15	Design of CeO ₂ -supported LaNiO ₃ perovskites as precursors of highly active catalysts for CO ₂ methanation. Catalysis Science and Technology, 2021, 11, 6065-6079.	4.1	16
16	Aftertreatment DeNO _x Systems for Future Light Duty Lean-Burned Emission Regulations. Catalysts, 2021, 11, 188.	3.5	1
17	Boosting NO _x Removal by Perovskite-Based Catalyst in NSR-SCR Diesel Aftertreatment Systems. Industrial & Engineering Chemistry Research, 2021, 60, 6525-6537.	3.7	8
18	Comparative Study of the Efficiency of Different Noble Metals Supported on Hydroxyapatite in the Catalytic Lean Methane Oxidation under Realistic Conditions. Materials, 2021, 14, 3612.	2.9	10

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19	Bimodal effect of water on V ₂ O ₅ /TiO ₂ catalysts with different vanadium species in the simultaneous NO reduction and 1,2-dichlorobenzene oxidation. <i>Chemical Engineering Journal</i> , 2021, 417, 129013.	12.7	29
20	Exceptional performance of gold supported on fluoridated hydroxyapatite catalysts in CO-cleanup of H ₂ -rich stream: High activity and resistance under PEMFC operation conditions. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120142.	20.2	13
21	Enhancing the CO ₂ methanation activity of γ -Al ₂ O ₃ supported mono- and bi-metallic catalysts prepared by glycerol assisted impregnation. <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120322.	20.2	25
22	Porous Hexacyanometallate(III) Complexes as Catalysts in the Ring-Opening Copolymerization of CO ₂ and Propylene Oxide. <i>Catalysts</i> , 2021, 11, 1450.	3.5	4
23	Effect of metal loading on the CO ₂ methanation: A comparison between alumina supported Ni and Ru catalysts. <i>Catalysis Today</i> , 2020, 356, 419-432.	4.4	111
24	Oxidation of lean methane over cobalt catalysts supported on ceria/alumina. <i>Applied Catalysis A: General</i> , 2020, 591, 117381.	4.3	24
25	Isotopic and in situ DRIFTS study of the CO ₂ methanation mechanism using Ni/CeO ₂ and Ni/Al ₂ O ₃ catalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118538.	20.2	199
26	Effect of vanadia loading on acidic and redox properties of VO _x /TiO ₂ for the simultaneous abatement of PCDD/Fs and NO _x . <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 440-450.	5.8	36
27	Modeling the CO ₂ capture and in situ conversion to CH ₄ on dual function Ru-Na ₂ CO ₃ /Al ₂ O ₃ catalyst. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101351.	6.8	22
28	Effect of preparation procedure and composition of catalysts based on Mn and Ce oxides in the simultaneous removal of NO _x and o-DCB. <i>Molecular Catalysis</i> , 2020, 495, 111152.	2.0	7
29	Perovskite-Based Formulations as Rival Platinum Catalysts for NO _x Removal in Diesel Exhaust Aftertreatment. , 2020, , .		0
30	Ba-doped vs. Sr-doped LaCoO ₃ perovskites as base catalyst in diesel exhaust purification. <i>Molecular Catalysis</i> , 2020, 488, 110913.	2.0	10
31	Platinum supported on lanthana-modified hydroxyapatite samples for realistic WGS conditions: On the nature of the active species, kinetic aspects and the resistance to shut-down/start-up cycles. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118851.	20.2	22
32	Influence of the calcination temperature on the activity of hydroxyapatite-supported palladium catalyst in the methane oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119280.	20.2	31
33	Perovskite-Based Catalysts as Efficient, Durable, and Economical NO _x Storage and Reduction Systems. <i>Catalysts</i> , 2020, 10, 208.	3.5	18
34	Tailoring perovskite surface composition to design efficient lean NO _x trap Pd ²⁺ /La _{1-x} A _x CoO ₃ /Al ₂ O ₃ -type catalysts (with A ²⁺ =Sr or Ba). <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118628.	20.2	22
35	Design of active sites in Ni/CeO ₂ catalysts for the methanation of CO ₂ : tailoring the Ni-CeO ₂ contact. <i>Applied Materials Today</i> , 2020, 19, 100591.	4.3	30
36	Ni/LnO _x Catalysts (Ln=La, Ce or Pr) for CO ₂ Methanation. <i>ChemCatChem</i> , 2019, 11, 810-819.	3.7	44

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37	Pd-doped or Pd impregnated 30% La _{0.7} Sr _{0.3} CoO ₃ /Al ₂ O ₃ catalysts for NO _x storage and reduction. Applied Catalysis B: Environmental, 2019, 259, 118052.	20.2	27
38	Synthesis, Characterization and Kinetic Behavior of Supported Cobalt Catalysts for Oxidative after-Treatment of Methane Lean Mixtures. Materials, 2019, 12, 3174.	2.9	11
39	Evaluation of Cu/SAPO-34 Catalysts Prepared by Solid-State and Liquid Ion-Exchange Methods for NO _x Removal by NH ₃ -SCR. ACS Omega, 2019, 4, 14699-14713.	3.5	23
40	Ni loading effects on dual function materials for capture and in-situ conversion of CO ₂ to CH ₄ using CaO or Na ₂ CO ₃ . Journal of CO ₂ Utilization, 2019, 34, 576-587.	6.8	109
41	Catalytic performance of Cu/hydroxyapatite catalysts in CO preferential oxidation in H ₂ -rich stream. International Journal of Hydrogen Energy, 2019, 44, 12649-12660.	7.1	21
42	Mechanism of the CO ₂ storage and in situ hydrogenation to CH ₄ . Temperature and adsorbent loading effects over Ru-CaO/Al ₂ O ₃ and Ru-Na ₂ CO ₃ /Al ₂ O ₃ catalysts. Applied Catalysis B: Environmental, 2019, 256, 117845.	20.2	100
43	On the beneficial effect of MgO promoter on the performance of Co ₃ O ₄ /Al ₂ O ₃ catalysts for combustion of dilute methane. Applied Catalysis A: General, 2019, 582, 117099.	4.3	23
44	Influence of Ca/P ratio on the catalytic performance of Ni/hydroxyapatite samples in dry reforming of methane. Applied Catalysis A: General, 2019, 580, 34-45.	4.3	62
45	Influence of H ₂ , CO, C ₃ H ₆ , and C ₇ H ₈ as Reductants on DeNO _x Behavior of Dual Monoliths for NO _x Storage/Reduction Coupled with Selective Catalytic Reduction. Industrial & Engineering Chemistry Research, 2019, 58, 7001-7013.	3.7	11
46	Zr promotion effect in CO ₂ methanation over ceria supported nickel catalysts. International Journal of Hydrogen Energy, 2019, 44, 1710-1719.	7.1	78
47	Strontium doping and impregnation onto alumina improve the NO _x storage and reduction capacity of LaCoO ₃ perovskites. Catalysis Today, 2019, 333, 208-218.	4.4	33
48	NO _x Storage and Reduction Coupled with Selective Catalytic Reduction for NO _x Removal in Light-Duty Vehicles. ChemCatChem, 2018, 10, 2928-2940.	3.7	14
49	Catalytic properties of cobalt-promoted Pd/HAP catalyst for CO-cleanup of H ₂ -rich stream. International Journal of Hydrogen Energy, 2018, 43, 16949-16958.	7.1	18
50	Behaviour of Rh supported on hydroxyapatite catalysts in partial oxidation and steam reforming of methane: On the role of the speciation of the Rh particles. Applied Catalysis A: General, 2018, 556, 191-203.	4.3	56
51	Pd supported catalyst for gas-phase 1,2-dichloroethane abatement: Efficiency and high selectivity towards oxygenated products. Journal of Industrial and Engineering Chemistry, 2018, 57, 77-88.	5.8	20
52	Oxidation of residual methane from VNG vehicles over Co ₃ O ₄ -based catalysts: Comparison among bulk, Al ₂ O ₃ -supported and Ce-doped catalysts. Applied Catalysis B: Environmental, 2018, 237, 844-854.	20.2	47
53	Effect of the Presence of Ceria in the NSR Catalyst on the Hydrothermal Resistance and Global DeNO _x Performance of Coupled LNT+SCR Systems. Topics in Catalysis, 2018, 61, 1993-2006.	2.8	8
54	Ni catalysts with La as promoter supported over Y- and BETA- zeolites for CO ₂ methanation. Applied Catalysis B: Environmental, 2018, 238, 393-403.	20.2	175

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55	Water-gas shift reaction over a novel Cu-ZnO/HAP formulation: Enhanced catalytic performance in mobile fuel cell applications. <i>Applied Catalysis A: General</i> , 2018, 566, 1-14.	4.3	18
56	Chapter 2. NSR Technology. <i>RSC Catalysis Series</i> , 2018, , 36-66.	0.1	2
57	Recycle of plastic residues in cellular phones through catalytic hydrocracking to liquid fuels. <i>Journal of Material Cycles and Waste Management</i> , 2017, 19, 782-793.	3.0	8
58	Steady-state NH ₃ -SCR global model and kinetic parameter estimation for NO _x removal in diesel engine exhaust aftertreatment with Cu/chabazite. <i>Catalysis Today</i> , 2017, 296, 95-104.	4.4	32
59	Key factors in Sr-doped LaBO ₃ (B ²⁺ =Co or Mn) perovskites for NO oxidation in efficient diesel exhaust purification. <i>Applied Catalysis B: Environmental</i> , 2017, 213, 198-210.	20.2	124
60	Tailoring dual redox-acid functionalities in VO _x /TiO ₂ /ZSM5 catalyst for simultaneous abatement of PCDD/Fs and NO _x from municipal solid waste incineration. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 310-318.	20.2	47
61	CO elimination processes over promoter-free hydroxyapatite supported palladium catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 189-201.	20.2	40
62	Optimal Operating Conditions of Coupled Sequential NO _x Storage/Reduction and Cu/CHA Selective Catalytic Reduction Monoliths. <i>Topics in Catalysis</i> , 2017, 60, 30-39.	2.8	8
63	On the Cu species in Cu/beta catalysts related to DeNO _x performance of coupled NSR-SCR technology using sequential monoliths and dual-layer monolithic catalysts. <i>Catalysis Today</i> , 2016, 273, 72-82.	4.4	21
64	Oxidative Steam Reforming and Steam Reforming of Methane, Isooctane, and <i>n</i> -Tetradecane over an Alumina Supported Spinel-Derived Nickel Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3920-3929.	3.7	25
65	Catalytic Properties of CuO/Al ₂ O ₃ -Based Microreactors in SCR of NO _x with NH ₃ . <i>Topics in Catalysis</i> , 2016, 59, 1002-1007.	2.8	3
66	The effect of deactivation of H ₂ zeolites on product selectivity in the oxidation of chlorinated VOCs (trichloroethylene). <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 318-326.	3.2	13
67	MgO/NiAl ₂ O ₄ as a new formulation of reforming catalysts: Tuning the surface properties for the enhanced partial oxidation of methane. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 372-383.	20.2	57
68	Mechanism and kinetics in catalytic hydrocracking of polystyrene in solution. <i>Polymer Degradation and Stability</i> , 2016, 124, 51-59.	5.8	25
69	Cu-zeolite catalysts for NO _x removal by selective catalytic reduction with NH ₃ and coupled to NO storage/reduction monolith in diesel engine exhaust aftertreatment systems. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 419-427.	20.2	71
70	Synthesis, characterisation and behaviour of Co/hydroxyapatite catalysts in the oxidation of 1,2-dichloroethane. <i>Applied Catalysis B: Environmental</i> , 2016, 190, 125-136.	20.2	78
71	Metal-loaded ZSM5 zeolites for catalytic purification of dioxin/furans and NO containing exhaust gases from MWI plants: Effect of different metal cations. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 238-245.	20.2	43
72	Catalytic oxidation of trichloroethylene over Fe-ZSM-5: Influence of the preparation method on the iron species and the catalytic behavior. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 210-218.	20.2	101

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73	Performance of Cu-ZSM-5 in a Coupled Monolith NSR-SCR System for NO _x Removal in Lean-Burn Engine Exhaust. <i>Topics in Catalysis</i> , 2016, 59, 259-267.	2.8	5
74	Steam gasification of printed circuit board from e-waste: Effect of coexisting nickel to hydrogen production. <i>Fuel Processing Technology</i> , 2015, 133, 69-74.	7.2	32
75	Behaviour of nickel–alumina spinel (NiAl ₂ O ₄) catalysts for isooctane steam reforming. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5281-5288.	7.1	25
76	Role of surface vanadium oxide coverage support on titania for the simultaneous removal of o-dichlorobenzene and NO _x from waste incinerator flue gas. <i>Catalysis Today</i> , 2015, 254, 2-11.	4.4	39
77	Pt/ITQ-6 zeolite as a bifunctional catalyst for hydrocracking of waste plastics containing polystyrene. <i>Journal of Material Cycles and Waste Management</i> , 2015, 17, 465-475.	3.0	8
78	New copper species generated on Cu/Al ₂ O ₃ -based microreactors for COPROX activity enhancement. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 7318-7328.	7.1	11
79	Influence of ceria loading on the NO _x storage and reduction performance of model Pt–Ba/Al ₂ O ₃ NSR catalyst. <i>Catalysis Today</i> , 2015, 241, 133-142.	4.4	35
80	Catalytic Oxidation of Volatile Organic Compounds: Chlorinated Hydrocarbons. , 2014, , 91-131.		0
81	Preparation and characterisation of CuO/Al ₂ O ₃ films deposited onto stainless steel microgrids for CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 629-640.	20.2	31
82	Behavior of Coprecipitated NiAl ₂ O ₄ /Al ₂ O ₃ Catalysts for Low-Temperature Methane Steam Reforming. <i>Energy & Fuels</i> , 2014, 28, 7109-7121.	5.1	65
83	Microcolumn adsorption studies of acid/basic dyes related to the physicochemical properties of the adsorbent. <i>Coloration Technology</i> , 2014, 130, 62-72.	1.5	4
84	State of the art in catalytic oxidation of chlorinated volatile organic compounds. <i>Chemical Papers</i> , 2014, 68, .	2.2	85
85	Environmental catalysis – Topical issue. <i>Chemical Papers</i> , 2014, 68, .	2.2	0
86	Synthesis, characterisation and performance evaluation of spinel-derived Ni/Al ₂ O ₃ catalysts for various methane reforming reactions. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 190-201.	20.2	134
87	High external surface Pt/zeolite catalysts for improving polystyrene hydrocracking. <i>Catalysis Today</i> , 2014, 227, 163-170.	4.4	22
88	Catalytic activity of regenerated catalyst after the oxidation of 1,2-dichloroethane and trichloroethylene. <i>Chemical Engineering Journal</i> , 2014, 241, 200-206.	12.7	36
89	Role of the different copper species on the activity of Cu/zeolite catalysts for SCR of NO _x with NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2014, 147, 420-428.	20.2	163
90	Influence of the washcoat characteristics on NH ₃ -SCR behavior of Cu-zeolite monoliths. <i>Catalysis Today</i> , 2013, 216, 82-89.	4.4	22

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91	Structural characterisation of Ni/alumina reforming catalysts activated at high temperatures. Applied Catalysis A: General, 2013, 466, 9-20.	4.3	126
92	Screening of Fe-Cu-Zeolites Prepared by Different Methodology for Application in NSR-SCR Combined DeNOx Systems. Topics in Catalysis, 2013, 56, 215-221.	2.8	17
93	On the Effect of Reduction and Ageing on the TWC Activity of Pt/Ce _{0.68} Zr _{0.32} O ₂ under Simulated Automotive Exhausts. Topics in Catalysis, 2013, 56, 352-357.	2.8	9
94	Transport Phenomena in Catalytic Hydrocracking of Polystyrene in Solution. Industrial & Engineering Chemistry Research, 2013, 52, 14798-14807.	3.7	14
95	Characterization of Pt and Ba over alumina washcoated monolith for NOx storage and reduction (NSR) by FIB-SEM. Catalysis Today, 2013, 216, 50-56.	4.4	9
96	Strategies to enhance the stability of h-bea zeolite in the catalytic oxidation of Cl-VOCs: 1,2-Dichloroethane. Catalysis Today, 2013, 213, 192-197.	4.4	31
97	Cu-zeolite NH ₃ -SCR catalysts for NO _x removal in the combined NSR-SCR technology. Chemical Engineering Journal, 2012, 207-208, 10-17.	12.7	56
98	Deactivation of H-zeolites during catalytic oxidation of trichloroethylene. Journal of Catalysis, 2012, 296, 165-174.	6.2	70
99	On the effect of reduction and ageing on the TWC activity of Pd/Ce _{0.68} Zr _{0.32} O ₂ under simulated automotive exhausts. Catalysis Today, 2012, 180, 88-95.	4.4	25
100	Regeneration mechanism of a Lean NOx Trap (LNT) catalyst in the presence of NO investigated using isotope labelling techniques. Journal of Catalysis, 2012, 285, 177-186.	6.2	32
101	Application of Principal Component Analysis to the Adsorption of Natural Organic Matter by Modified Activated Carbons. Separation Science and Technology, 2011, 46, 2239-2249.	2.5	4
102	Catalytic oxidation of trichloroethylene over Fe-zeolites. Catalysis Today, 2011, 176, 357-360.	4.4	30
103	Controlling the selectivity to N ₂ O over Pt/Ba/Al ₂ O ₃ NOx storage/reduction catalysts. Catalysis Today, 2011, 176, 324-327.	4.4	23
104	Control of NO storage and reduction in NSR bed for designing combined NSR-SCR systems. Catalysis Today, 2011, 172, 66-72.	4.4	30
105	Performance of NO storage-reduction catalyst in the temperature-reductant concentration domain by response surface methodology. Chemical Engineering Journal, 2011, 169, 58-67.	12.7	25
106	EuropaCat IX. Platinum Metals Review, 2010, 54, 103-111.	1.2	3
107	The effect of mixed oxidants and powdered activated carbon on the removal of natural organic matter. Journal of Hazardous Materials, 2010, 181, 426-431.	12.4	31
108	Tuning operational conditions for efficient NOx storage and reduction over a Pt-Ba/Al ₂ O ₃ monolith catalyst. Applied Catalysis B: Environmental, 2010, 96, 329-337.	20.2	26

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109	Optimization of process parameters on the extrusion of honeycomb shaped monolith of H-ZSM-5 zeolite. <i>Chemical Engineering Journal</i> , 2010, 162, 415-423.	12.7	57
110	A kinetic study of the depolymerisation of poly(ethylene terephthalate) by phase transfer catalysed alkaline hydrolysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 92-99.	3.2	37
111	Effect of the Incorporation Order of Pt- and Ba-Precursors on the Structure and Catalytic Performance of NSR Catalysts. <i>Topics in Catalysis</i> , 2009, 52, 1808-1812.	2.8	2
112	Influence of platinum and barium precursors on the NSR behavior of Pt-Ba/Al ₂ O ₃ monoliths for lean-burn engines. <i>Catalysis Today</i> , 2009, 147, S244-S249.	4.4	15
113	A shrinking core model for the alkaline hydrolysis of PET assisted by tributylhexadecylphosphonium bromide. <i>Chemical Engineering Journal</i> , 2009, 146, 287-294.	12.7	56
114	Tuning the cycle length in the NO _x storage-reduction process and its contribution to the real-flow scenario. <i>Chemical Engineering Journal</i> , 2009, 150, 447-454.	12.7	4
115	Influence of the preparation procedure of NSR monolithic catalysts on the Pt-Ba dispersion and distribution. <i>Applied Catalysis A: General</i> , 2009, 363, 73-80.	4.3	34
116	Stability of protonic zeolites in the catalytic oxidation of chlorinated VOCs (1,2-dichloroethane). <i>Applied Catalysis B: Environmental</i> , 2009, 88, 533-541.	20.2	95
117	Evaluation of the Adsorption of Aquatic Humic Substances in Batch and Column Experiments by Thermally Modified Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 5445-5453.	3.7	8
118	Adsorption and oxidation of trichloroethylene on Ce/Zr mixed oxides: In situ FTIR and flow studies. <i>Catalysis Communications</i> , 2008, 9, 2018-2021.	3.3	19
119	Natural Organic Matter Adsorption onto Granular Activated Carbons: Implications in the Molecular Weight and Disinfection Byproducts Formation. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7868-7876.	3.7	35
120	Chemical recycling of PET by alkaline hydrolysis in the presence of quaternary phosphonium and ammonium salts as phase transfer catalysts. <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	10
121	Structure of Mn-Zr mixed oxides catalysts and their catalytic performance in the gas-phase oxidation of chlorocarbons. <i>Chemosphere</i> , 2007, 68, 1004-1012.	8.2	71
122	Pervaporation of 50 wt % ethanol-water mixtures with poly(1-trimethylsilyl-1-propyne) membranes at high temperatures. <i>Journal of Applied Polymer Science</i> , 2007, 103, 2843-2848.	2.6	23
123	A kinetic study of the combustion of porous synthetic soot. <i>Chemical Engineering Journal</i> , 2007, 129, 41-49.	12.7	43
124	On the mechanism of the catalytic destruction of 1,2-dichloroethane over Ce/Zr mixed oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 2007, 278, 181-188.	4.8	78
125	Enhanced coagulation under changing alkalinity-hardness conditions and its implications on trihalomethane precursors removal and relationship with UV absorbance. <i>Separation and Purification Technology</i> , 2007, 55, 368-380.	7.9	44
126	Removal and structural changes in natural organic matter in a Spanish water treatment plant using nascent chlorine. <i>Separation and Purification Technology</i> , 2007, 57, 152-160.	7.9	19

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127	MnOx/Pt/Al2O3 catalysts for CO oxidation in H2-rich streams. Applied Catalysis B: Environmental, 2007, 70, 532-541.	20.2	79
128	Study of the temperature-programmed oxidative degradation of hydrocarbons over Ce-based catalysts by evolved gas analysis. Journal of Thermal Analysis and Calorimetry, 2007, 87, 55-60.	3.6	4
129	FT-IR study of NO X storage mechanism over Pt/BaO/Al2O3 catalysts. Effect of the Pt-BaO interaction. Topics in Catalysis, 2007, 42-43, 37-41.	2.8	25
130	Analysis of the simultaneous catalytic combustion of chlorinated aliphatic pollutants and toluene over ceria-zirconia mixed oxides. Applied Catalysis A: General, 2006, 314, 54-63.	4.3	50
131	Kinetics of Pd/alumina catalysed 1,2-dichloroethane gas-phase oxidation. Chemical Engineering Science, 2006, 61, 3564-3576.	3.8	41
132	Thermokinetic modeling of the combustion of carbonaceous particulate matter. Combustion and Flame, 2006, 144, 398-406.	5.2	22
133	Monitoring trihalomethanes in water by differential ultraviolet spectroscopy. Environmental Chemistry Letters, 2006, 4, 243-247.	16.2	4
134	Selective CO oxidation over CeZr1-xO2-supported Pt catalysts. Catalysis Today, 2006, 116, 391-399.	4.4	62
135	Catalytic purification of waste gases containing VOC mixtures with Ce/Zr solid solutions. Applied Catalysis B: Environmental, 2006, 65, 191-200.	20.2	119
136	Kinetics of Chloroform Formation from Humic and Fulvic Acid Chlorination. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 1495-1508.	1.7	10
137	Intercooled Double-Bed Reactor for LTWGS Reaction with Catalyst Poisoning by Chlorine: Inlet Temperatures for the Maximization of the Production. International Journal of Chemical Reactor Engineering, 2006, 4, .	1.1	0
138	Pd Supported on Ce/Zr Mixed Oxides in the Reduction of NO with Propylene in Oxidizing Conditions. International Journal of Chemical Reactor Engineering, 2006, 4, .	1.1	1
139	Influence of particle size distribution of precursor oxides on the synthesis of cordierite by solid-state reaction. Powder Technology, 2005, 153, 34-42.	4.2	52
140	Effect of the presence of n-hexane on the catalytic combustion of chlororganics over ceria-zirconia mixed oxides. Catalysis Today, 2005, 107-108, 933-941.	4.4	16
141	Catalytic oxidation of aliphatic chlorinated volatile organic compounds over Pt/H-BETA zeolite catalyst under dry and humid conditions. Catalysis Today, 2005, 107-108, 200-207.	4.4	61
142	Kinetic analysis of non-catalytic and Mn-catalysed combustion of diesel soot surrogates. Applied Catalysis B: Environmental, 2005, 61, 150-158.	20.2	45
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